AUTODOC CLUB

How to change track rod end on **Mercedes W245** – replacement guide

VIDEO TUTORIAL

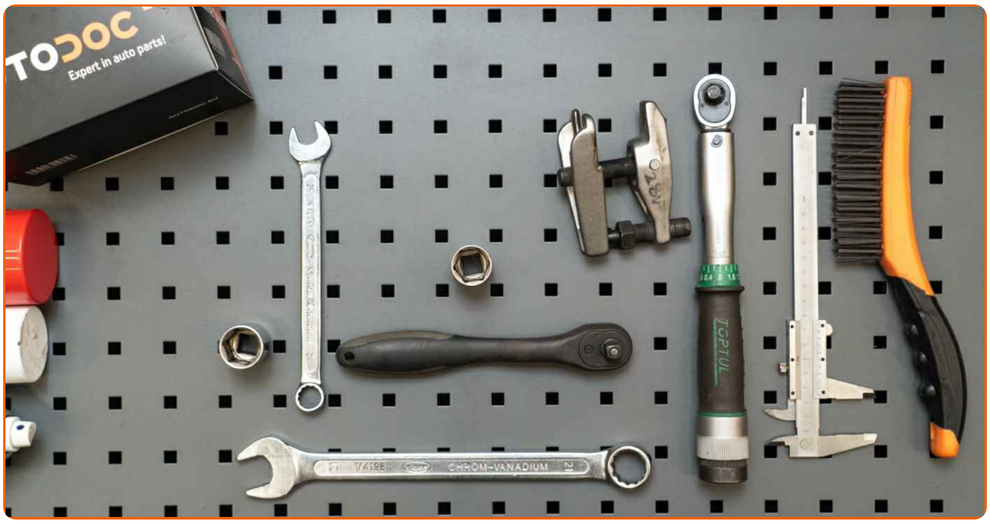


Important!

This replacement procedure can be used for:
MERCEDES-BENZ A-Class (W169) E-CELL (169.090), MERCEDES-BENZ A-Class (W169) A 200 CDI (169.308, 169.008), MERCEDES-BENZ A-Class (W169) A 170 (169.032, 169.332), MERCEDES-BENZ A-Class (W169) A 150 (169.031, 169.331), MERCEDES-BENZ A-Class (W169) A 200 (169.033, 169.333), MERCEDES-BENZ A-Class (W169) A 160 CDI (169.006, 169.306), MERCEDES-BENZ A-Class (W169) A 180 CDI (169.007, 169.307), MERCEDES-BENZ A-Class (W169) A 200 CDI (169.008, 169.308), MERCEDES-BENZ B-Class (W245) B 180 CDI (245.207), MERCEDES-BENZ B-Class (W245) B 200 CDI (245.208), MERCEDES-BENZ B-Class (W245) B 170 (245.232), MERCEDES-BENZ B-Class (W245) B 200 TURBO (245.234), MERCEDES-BENZ B-Class (W245) B 150 (245.231), MERCEDES-BENZ A-Class (W169) A 200 TURBO (169.034, 169.334), MERCEDES-BENZ B-Class (W245) B 170 NGT (245.233), (+ 6)

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – MERCEDES W245. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #14
- Combination spanner #21
- Drive socket # 21
- Drive socket # 22
- Wheel impact socket #H12
- Ratchet wrench
- Torque wrench
- Tap wrench
- Vernier caliper
- Ball joint puller
- Wheel chock

Replacement: track rod end – Mercedes W245. AUTODOC recommends:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- All work should be done with the engine stopped.

REPLACEMENT: TRACK ROD END – MERCEDES W245. USE THE FOLLOWING PROCEDURE:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #H12.



3 Raise the front of the car and secure on supports.



4

Unscrew the wheel bolts.

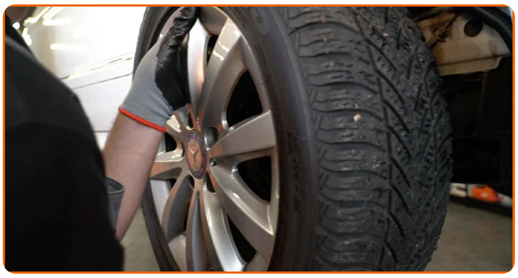


AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Mercedes W245

5

Remove the wheel.



6

Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

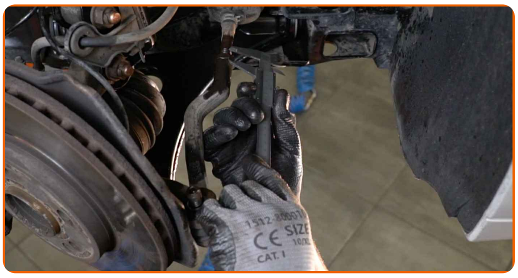


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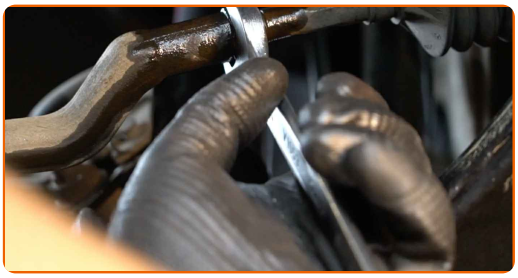
Unscrew the end fastening nut to the steering knuckle. Use a drive socket #21. Use a tap wrench.



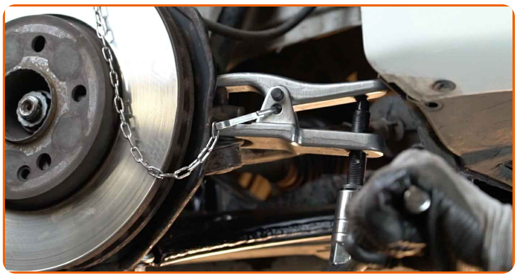
8 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



9 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #21.



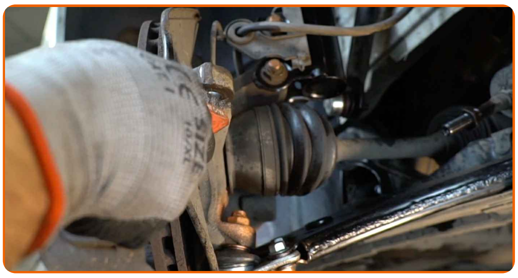
10 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



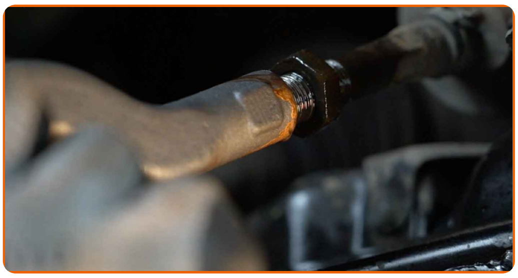
11 Screw the end out of the tie rod.



12 Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.



13 Screw on a new tie rod end.

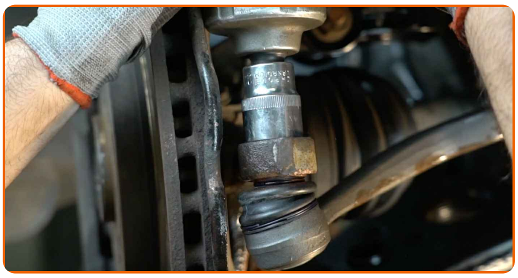


Replacement: track rod end – Mercedes W245. AUTODOC experts recommend:

- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements.

14 Connect the tie rod end to the steering knuckle.

15 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #22. Use a ratchet wrench.



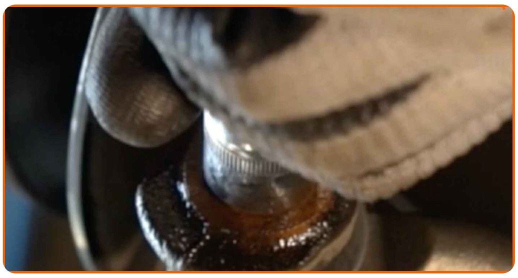
16

When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



17

Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #22. Use a torque wrench. Tighten it to 60 nm torque.



18

Tighten the tie rod end locknut. Use a combination spanner #14. Use a combination spanner #21. Use a torque wrench. Tighten it to 60 nm torque.

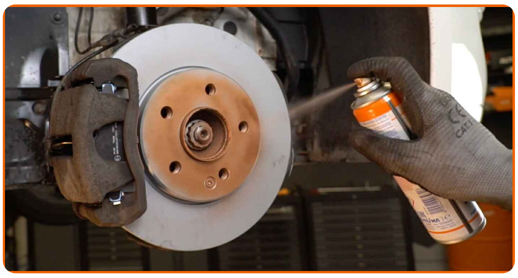


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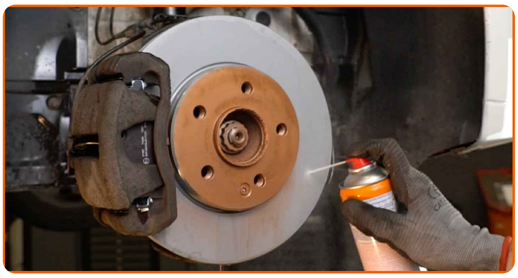
Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



20 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



21 Clean the brake disk surface. Use a brake cleaner.



Replacement: track rod end – Mercedes W245. Professionals recommend:

- After applying the spray, wait a few minutes.

22 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes W245

23 Screw in the wheel bolts. Use wheel impact socket #H12.



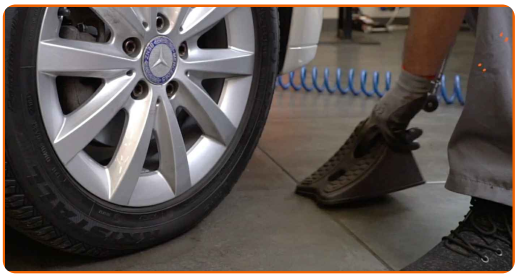
24 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #H12. Use a torque wrench. Tighten it to 130 nm torque.



Replacement: track rod end – Mercedes W245. Tip from AUTODOC:

- Check and adjust wheel alignment if necessary.

25 Remove the jacks and chocks.

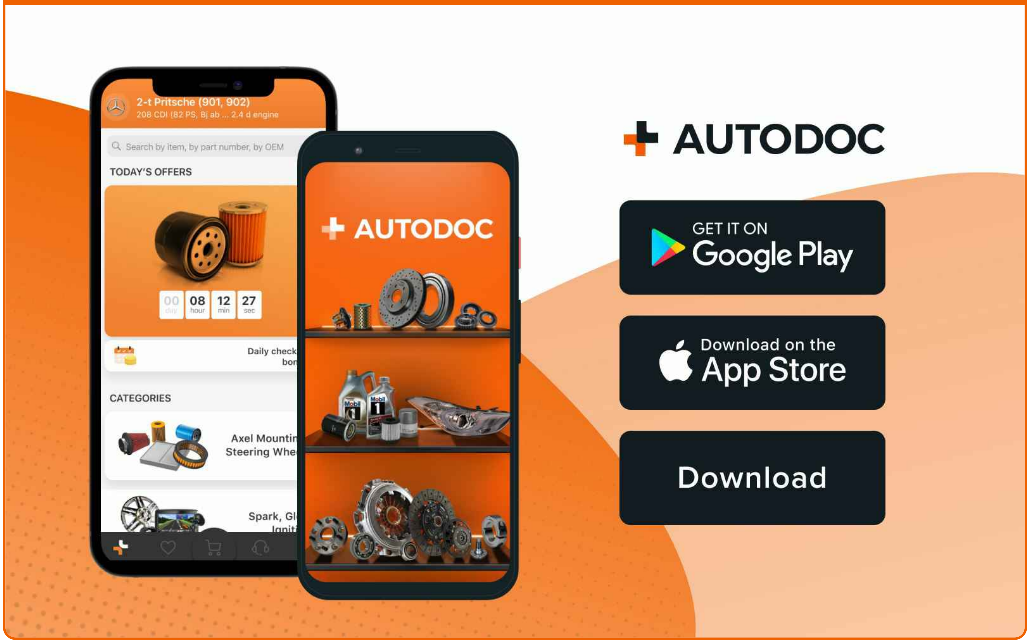


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